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(54) NEW MEMBRANE-BOUND METALLOPROTEASE

(57) Abstract:

PROBLEM TO BE SOLVED: To obtain a new kind of human membrane-bound metalloprotease which can activate progelatinase A and is useful for elucidation of the mechanism of development and treatment of and development of a medicine for various diseases including cancer and so on.

SOLUTION: This is a naturally-occurring human membrane-bound metalloprotease which can activate progelatinase A, is a progelatinase-activating factor other than MT1-MMP, MT2-MMP, MT3-MMP, and MT4-MMP, or a new human membrane-bound protein (or

salt thereof) which has a homology at 64% or more to the amino acid sequence of the naturally-occurring human membrane-bound protein, a matrix metalloprotease activity, and an ability of activating progelatinase A, or comparable antigenicity, and is useful for elucidation of the mechanism of development and treatment of and development of a medicine for various diseases including cancer and so on. This protein is obtained by cloning from a cDNA library derived from human.

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